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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/910,628	07/20/2001	Judith L. Erb	3060.00021	3205
7590 11/18/2004 Kohn & Associates Suite 410 30500 Northwestern Highway Farmington Hills, MI 48334			EXAMINER	
			CHIN, CHRISTOPHER L	
			ART UNIT	PAPER NUMBER
			1641	
		DATE MAILED: 11/18/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)			
		09/910,628	ERB ET AL.			
		Examiner	Art Unit			
		Christopher L. Chin	1641			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR I MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communicar period for reply specified above is less than thirty (30) day period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, be reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a reply be tiltion. s, a reply within the statutory minimum of thirty (30) day to period will apply and will expire SIX (6) MONTHS from y statute, cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on	<u>7/19/04</u> .				
-		This action is non-final.				
3)	— The state of the man and the state of the mental is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>43-45 and 47</u> is/are pending in the 4a) Of the above claim(s) <u>47</u> is/are withdred Claim(s) <u>13-45</u> is/are allowed. Claim(s) <u>13-45</u> is/are rejected. Claim(s) <u>13-45</u> is/are objected to. Claim(s) <u>43-45 and 47</u> are subject to rest	rawn from consideration.				
Applicati	on Papers					
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
	nder 35 U.S.C. § 119					
12) <u></u>	Acknowledgment is made of a claim for fo All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu	ments have been received. ments have been received in Application priority documents have been receive ureau (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment	(s)					
1) 🔲 Notice	of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
3) 🔲 Inform	of Draftsperson's Patent Drawing Review (PTO-94 ation Disclosure Statement(s) (PTO-1449 or PTO/S No(s)/Mail Date		te atent Application (PTO-152)			

Application/Control Number: 09/910,628

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claims 43-45 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 43 is vague with respect to the pharmacological agents. The preamble and last line of the claim refer to detecting pharmacological agents that impact a biological tissue but there is no actual recitation of using any pharmacological agents. The claim recites using biological receptors and molecules of a first type with affinity for the biological receptors but no pharmacological agents.

Claim Rejections - 35 USC § 102

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 43-45 are rejected under 35 U.S.C. 102(b) as being anticipated by Charles et al (WO 90/11525) for the reasons of record.

With respect to claim 45, the recitation of tumor tissue is considered an intended use for the claimed apparatus and thus is not accorded any patentable weight. The claimed apparatus is for screening pharmacological agents that impact the tumor tissue but the tumor tissue is not an actual structural feature that limits the apparatus.

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In response to this rejection, Applicants argue that the apparatus of Charles et al does not teach an alteration in signal but instead a signal is either created or is eliminated.

Applicant's arguments have been considered but is not convincing. In the embodiment of the apparatus of Charles et al for displacement assays, as labeled conjugate is displaced by analyte from the sensor surface, the signal from the labeled conjugate is altered, i.e. signal decreases as more analyte molecules displace the labeled conjugate.

Applicants further argue that the "presently pending independent claims claim a method of screening a pharmacological agent to determine if the agent is capable of altering biological tissue. The screen is used to determine if there is a binding interaction between a receptor and a nucleotide in the presence or absence ...".

Applicant's arguments have been considered but are not convincing. Applicants should note that the claims being prosecuted are directed to an apparatus, not a method of screening. Thus, any arguments directed to a method of screening are not on point.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher L. Chin whose telephone number is (571) 272-0815. The examiner can normally be reached on Monday-Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on (571) 272-0823. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Christopher L. Chin Primary Examiner

Christoph L. Chin

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11/09/04